

From owner-qrp-1@netcom.com Tue Feb 7 20:01:03 1995
Message-Id: <9502072130.AA22383@interval.interval.com>
Date: Tue, 7 Feb 1995 13:32:06 -0800
From: burdick@interval.com (Wayne Burdick)
Subject: Re: "T" is for "Toroid"

You didn't have to go and do them all at once, now, didja? The idea is to do about one per week.

Anyway, I admire your dedication. Hope it works!

Wayne, N6KR

P.S. -- The 80-meter mod to the NorCal 40A requires a toroid with 92 turns on it. Nearly killed me. Time to switch to shielded cans!

>Well, I've spent the past week working on my Sierra, and that means winding
>toroids. Five band modules with eight toroids each, and seven toroids on the
>main board, for a total of 47 toroids. My three year old girl was working
>with me on her alphabet, and when she asked: "Daddy, what is 'T' for?" I
>replied: "'T' is for 'Toroids.'"
>
>Many of the toroids have 30+ turns, at least six toroids with both primary
>turns and secondary turns. But the one I'll remember is the VFO coil with
>*58* turns.
>
>Thanks Wayne for giving me this experience. Now my life is complete.
>
>73,
>
>Rob, WA3ULH

From owner-qrp-1@netcom.com Wed Feb 8 05:17:14 1995
Date: Mon, 6 Feb 1995 19:10:09 -0500
Message-Id: <95020619100893@sescva.esc.edu>
From: pcalcand@sescva.esc.edu (PETER CALCANDY)
Subject: <didn't bother with a subject>

My BBS was down since last Thursday evening so if anyone has sent me anything and didn't get a reply, would you send it again?
Also, has anyone else who has had their BBS go down felt a high level of anxiety? I mean, is it possible to become addicted to the I-net?
For four days, my hands were sweaty, I couldn't sleep and I felt a general depression. It got so bad, that on sunday, I couldn't take it anymore and broke down and signed up on AOL to have a BACKUP! Does the Betty Ford

Clinic or the Smathers Clinic offer any programs to help people like me?
In any event, I hope to speak to each and every one of you on Wednesday
evening for the SSB QRP fox hunt.

Thanks.

Peter N2KPY

From owner-qrp-1@netcom.com Tue Feb 7 17:57:06 1995
Date: Mon, 6 Feb 1995 22:52:42 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
Subject: FOX
Message-Id: <Pine.SUN.3.90.950206224614.4082A-100000@nimbus>

Well, NO fox heard here in NV tonight. Condx are a bit
noisy but no too bad.

I heard that dx station, K5F0 at 0425z, about 339 to 559.
Only heard one transmission and then he was gone.....Was
on 7039.40

But had a nice time. Worked W5TFB, Jack, and NU6U, Max, both
looking for the fox.

Then called a cq and chatted with Dwight, WA6NAE over in Castro
Valley for 35 min. He was s9+10db at times. Never went below
s8 even with the qsb. And he was running 4w with his Icom while
waiting for the NC40a to show up!

Then worked NA5N, Paul. Very weak. 339 and sometimes not even
there! Good pratice for dxing and contesting!

All in all a very fun evening and didn't even get the fox.....

73's all, Ron

.....KU7Y.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Sun Valley, Nevada....
.....ARRL.....NorCal #330.....NRA LIFE.....

From owner-qrp-1@netcom.com Wed Feb 8 00:11:13 1995
From: Byron8LCZ@aol.com
Date: Tue, 7 Feb 1995 18:19:39 -0500
Message-Id: <950207181935_15485642@aol.com>
Subject: New QRP+

The QRP Plus was designed by Bruce Franklin KG7CR, his company name is Index
Labs. He is also the technical editor for the NorthWest QRP club. Convenient,

Eh ?

You can write to: Index Labs, 9318 Randall Dr NW, Gig Harbor, Wash 98332 or call him at 206-851-5725. Regular price is \$595.00 but some QRP clubs are making group purchases and getting a better price per unit. I think the Colorado club did that recently.
It is only being sold mail order.

You'll need a battery or power supply capable of 12 vcd at 2 amp. it actually draws between 1 and 1.5 amps during transmit. It comes fully assembled and ready to call CQ.

The antenna connector is a standard SO-239, not a BNC or RCA phono. The power connector is a coaxial plug like the 3.5 mm DIN we see everywhere these days, except on the rig, its a split post to decrease contact resistance and insure a good solid connection. The key jack is a 3.5 mm stereo jack for an Iambic key and a 3.5 mm mono jack for a straight key. You can have both plugged in at the same time The Plus has a built in keyer, but no memories. The mic connection is a 3.5 mm stereo jack for mic, ptt and ground. The power adjust is a partially recessed potentiometer, taking you from 0 to about 7 watts out on all bands 160 thru 10, including WARC.

72, Byron WA8LCZ/QRP

From owner-qrp-1@netcom.com Wed Feb 8 00:52:55 1995
From: Byron8LCZ@aol.com
Date: Tue, 7 Feb 1995 18:19:39 -0500
Message-Id: <950207181935_15485642@aol.com>
Subject: New QRP+

The QRP Plus was designed by Bruce Franklin KG7CR, his company name is Index Labs. He is also the technical editor for the NorthWest QRP club. Convenient, Eh ?

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72, Byron WA8LCZ/QRP

[illegible]

```
x    DATE: 25th February, 1995                x
x    PLACE: The "BLUE PETER", Sidney, V.I.     x
x    TIME: 10:45 to 15:00 PST                   x
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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To facilitate distribution by e-mail and packet radio our newsletter is being produced as a ASCII text file. Printouts will continue to be mailed to members without access to either of these facilities.

NEWS IN BRIEF:-

G-QRP CLUB MINI-CONVENTION: In October I attended the convention to give a talk on the "Epiphyte" 80M SSB transceiver. In 1994 the Club celebrated its 10th anniversary and the meeting was well attended. There is not the same enthusiasm for 80M SSB in Europe as there is in NA. Nevertheless, I did manage to make a few UK contacts. George Dobbs, G3RJV, was getting ready to leave for the the 1st Asian-Pacific QRP Convention in Kuching, Sarawak where he had been invited, along with Rick Campbell, KK7B, to speak.

CONCORD CONVENTION: Meanwhile, closer to home, Bruce, VE7ZM, carried the flag to the Ham Convention at Concord where a close relationship has developed between the QRP Club of Northern California (NorCal) and the QRP Club of BC. Interest in homebrewed SSB transceivers in NA has grown in leaps and bounds. Construction articles on the "Epiphyte" have already appeared in QRPP and SPRAT. The next issue of QRPP will contain a rig designed Bruce. Joe, VE7TX, is also putting together that long awaited article on his "Neomyte" (cigarette package) transceiver for QRPP.

NOVEMBER 12TH MEETING: Seventeen members attended a "special" meeting at the home of Dave, VE7PCC, to welcome two visitors from California - Doug, KI6DS (editor of QRPp) and John, K7RO. Doug, who is far more efficiently organized than me, posted a detailed report of this most enjoyable meeting on the Internet QRP-1 within a few hours of his return! I will bring a printout to the coming meeting for those who have not seen it.

QRP SSB ON 80 METRES: John, K7R0, is about to unveil the the design of his recently completed dual band (80/20M)transceiver using a homebrewed 9MHz filter. We heard him loud and clear in BC with excellent audio quality. Despite poor band conditions a few "regulars" have consistently shown up on the 1600 PST net. At 1900 the skip has been too long for local contacts; often too noisy for any contacts! At 2230 PST a few of us have managed to keep a schedule with KI6DS and others in the US portion of the phone band - occasionally making it "QRP". However, a newcomer to the group, Vern, W6MAA at Placerville, CA blasted

in this week at 59+ with his recently completed "Epiphyte" and 5W amplifier. Having already worked New Zealand and Japan, he's now trying for Europe on the long path. If only we all had a 4-square vertical array!

ARCI QRP SPRINTS: I haven't seen the results yet of the Summer '94 Sprint but I understand that Bill, VE7JO, led the pack on 80M. Congratulations Bill. For the Winter Sprint I had fully expected Doug & Vern's combined effort from the latter's QTH (and antenna!) to walk away unchallenged. But the "best laid plans....."; better let them tell you about it! Seems like the humble dipoles in BC will stand a chance - this time anyway!

NORCAL QRP CONTEST, 1st APRIL, 1995: CW and SSB. Bonus points for operating portable away from the home QTH. Full details will be made available at the coming meeting and mailed out to those unable to attend.

72 Derry VE7QK
e-mail: jds@freenet.vancouver.bc.ca
packet: VE7QK@VE7UBC.#VANC.BC.NA

From owner-qrp-1@netcom.com Tue Feb 7 22:47:13 1995
Date: Tue, 7 Feb 1995 21:26:11 -0500 (EST)
From: Michael Marmor <mmarmor@pluto.njcc.com>
Subject: QRP Pen circuit
Message-Id: <Pine.BSI.3.91.950207212534.4720A-100000@pluto.njcc.com>

All the talk about color burst transmitters tempted me to build one last night. I put together a circuit from Dave Ingram's book How to Get Started with QRP. The circuit appears on page 52 of the book and is called "The QRP Pen." It uses a single 2N2222 and only a few other parts, the circuit is quite small and is called the "QRP Pen" because Dave built his inside a bic pen!

My OHR WM-1 shows about 20mW out and about 15mW reflected when I have NO antenna connected. When I have the little critter hooked to my antenna and I have my transmatch set for minimum SWR I get only 5mW out and 1mW reflected!! I listen to the transmitter on my Neophyte, the signal is strongest when the transmatch is set for the lowest SWR (5mW out??). Some settings of the transmatch seem to "stop" the transmitter; perhaps stop the circuit from oscillating. What is going on here!???

Does this circuit want to see a 50 Ohm impedance for the antenna (and how can I tell from the schematic what impedance it "wants" to have?)

Michael
73 de AA2UJ
mmarmor@pluto.njcc.com

From owner-qrp-l@netcom.com Wed Feb 8 03:18:23 1995
Date: Tue, 7 Feb 1995 22:33:15 -0500 (EST)
From: Michael Marmor <mmarmor@pluto.njcc.com>
Subject: SPRAT etc....
Message-Id: <Pine.BSI.3.91.950207223231.6591A-100000@pluto.njcc.com>

Geez! I unleashed a flood of e-mail when I asked what SPRAT meant! Many, many people said Small Powered Radio Amateur Transmitter, which I believe is the "correct" answer, but quite a few had their own ideas. WA8MCQ sent me some great info about the G-QRP club which mentioned that SPRAT was a legitimate English word. Well I looked it up and here's what Webster's has to say:

-
SPRAT - A small sea fish allied to the herring but much smaller, found in the Atlantic and the Mediterranean - a young herring.
-

I just got my first issue of the QRP Quarterly and I must say that I am very impressed with it!! This is a great journal! I practically read it twice to let every little hint and idea soak in.

Another great little newsletter/magazine that I get is The Radio Craftsman which is published by Doug Heacock, AA0MS. I haven't seen much mention of it here on the qrp-l but it has lots of good info for the radio homebrewer - especially if you are new to building. Doug has started a series where he is designing a qrp rig in parts. The current issue deals with VFO's. In later issues he will complete other parts of the design.

Does anyone know when the NorCal 40a's will start shipping? I seem to recall something about February?

73 Michael Marmor, AA2UJ
mmarmor@pluto.njcc.com

From ab4el@cybernetics.net Tue Feb 7 23:18:52 1995
Date: Tue, 7 Feb 1995 22:52:25 -0500 (EST)
From: Stephen Modena <ab4el@cybernetics.net>
Subject: SSB FOX HUNT is WEDNESDAY (fwd)
Message-Id: <Pine.SUN.3.91.950207225130.4258C-100000@server0>

* QRP-L seems to be in failure mode.
* I will re-post this notice until *one* copy reaches
* my email box.
* This is sent out for the digest readers.

SSB FOX HUNT -- 8 FEB WEDNESDAY NORTH AMERICAN TIME -- Times in E.S.T.

!!!! Pay attention: 40 M segment starts EARLIER than usual ! ! ! !

EST	Band	Segment
8 - 8:30 PM	7.225 - 7.232	Need General, Adv, Extra.
8:30 - 9 PM	7.210 - 7.220	Need Advanced or Extra
9 - 10	Spend time with XYL	
10 - 10:30	3.780 - 3.788	Need Advanced or Extra
10:30 - 11	3.900 - 3.910	Need General, Adv. or Extra

The Fox may continue on 40 after 9 pm...this shift to an earlier time of operation is an experiment to see if we can catch 40 M before it is so long that call-ins from Hawaii would not be unexpected. :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Wed Feb 8 05:54:25 1995
Message-Id: <m0rbxEu-00005AC@ju-ts.ccc.amdahl.com>
Date: Tuesday, 7 February 1995 13:04 PT
From: bruce.florip@amail.amdahl.com
Subject: subscribe qrp-l

subscribe qrp-l

From owner-qrp-l@netcom.com Tue Feb 7 13:32:33 1995
From: RobCap@aol.com
Date: Tue, 7 Feb 1995 11:20:00 -0500
Message-Id: <950207111741_15201702@aol.com>
Subject: Tiny Paddles

Two ideas on super small panels. First, the super miniature paddles from G4ZPY are not \$170. They sell for 72 pounds sterling, which works out to \$108. Not cheap, but they are absolutely beautiful. AA4XX is so impressed with mine that he has asked me to leave it to him in my will. (hi)

The other idea is using the "works" of the Brass Racer from Vibroplex. I

spoke to Mitch, the new owner of Vibroplex, and he told me that he would probably make the works available without the base if there is interest. The Brass Racer normally sells for \$65, and would cost less without the base.

I disassembled my Brass Racer, and put the brass and wood base assembly away. Then I drilled holes underneath my Sierra, essentially using the radio as a base. You could do this with almost any QRP rig, and you could also mount the paddles on top based on personal preference. At two pounds, the radio is a very sturdy base.

I prefer the paddles underneath the radio, because it creates a tilt-stand approach. I wish I could enclose a photo.

Used in this fassion, the Brass Racer works (without base) are actually smaller (lower profile) than the G4ZPY (with its magnetic base).

have fun.

73,

Rob, WA3ULH

From owner-qrp-l@netcom.com Wed Feb 8 05:03:42 1995
Date: Mon, 6 Feb 95 23:24:10 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9502070524.AA00976@chuck.dallas.sgi.com>
Subject: Wattmeter

This morning on the way to work I stopped by Tucker Electronics (it's really on the way :-)) and while looking around I ran across the MFJ-840 2M handheld wattmeter.

It is 2.75"x2.25"x1.4" in size with meter face of 1 1/2" x 7/8". Dial reads from 0 to 5W with 1W at centerscale.

It has BNC connector for mounting to hand held 2M rig and measuring power out. Internally its nothing more than two 2W carbon resistors with variable cap across them and RF probe for the rest of circuit with 1N34 diode, 10K, 500K trimmer and 100uA meter with 0.1uF cap in parallel with it.

I used the MFJ-249 HF/VHF SWR analyzer and measured 1:1 SWR from 3MHz to 15MHz then it increased to 1.5:1 upto about 50MHz then back to 1:1 for 2M.

The 2mW out from the analyzer caused the meter to swing slightly upward, so you can sense small RF.

The var cap and the var resistor are adjustable from the rear through two separate holes. Using the OHR WM-1 wattmeter in series with MFJ wattmeter and a NN1G rig on 40M, I was able to calibrate the MFJ to match the OHR. I have to play a little more with why I'd want the trimmer cap in the circuit with the dummy load. With the upper range of the cap I can raise the SWR of the MFJ wattmeter.

At only \$19.95, it's really not a bad deal considering what cabinet work I'd have to do to build one and the time and energy to round up the parts. I took it apart to check the insides and it's typical MFJ quality. :-)

It'll work great as dummy load and power meter for the NorCal 40 and 40a (assuming it has the BNC RF connector too - I forget if I've seen it in print). I'm excited as we are getting close to the promised shipping dates for the 40a. I may have to run by Jim's and pick mine up as I will be once again in CA for two weeks starting on Sunday. The joy of travel..... But I digress.

Joe Bob says check it out (the MFJ-840) if you want a cheap dummy load and wattmeter all in one. It will take 5W for about 15 seconds, so you won't feed this power all day long and expect it to survive, but at 2W it should do OK. I may try and see how long it'll last.

FYI and the usualy disclaimers apply. Copyright 1995, but may be used in club newsletters..... K5FO

dit dit

BTW: 0.1W markings to 1W, 1.5, 2, 3, 4, and 5W marked. Non-linear of course.

Chuck Adams K5FO CP-60 adams@sgi.com